

InstantMT_o machine translation of Japanese patents

Search Class-Expanded U.S. and Japanese Patent Abstracts (beta)
US Pregrants from 2001, Japanese Patents and Pregrants from July 2005

● U.S. ○ JP

'drive circuit" "firing cap" "reference voltage"

Search

Paterra Resources for Patent Information Users Class-Expanded Abstract (U.S. patent pending 10/960,725)

Record 1 of 1 records matching query

U S Patent Office

Looking to find patents? Browse our patents directory.

<u>Free Patent Information</u> 25000+ Patent Office searches

done. Former examiners. 1-800-4-Patent.

Free Patents Information
Request a free info package on

how we can help you with your natent.

Patent Search

\$149 for Search of U.S Day Results, Free Initia

Ads by Google

<u>Advertis</u>

U.S. Pregrant Abstract 20040108698 (<u>Full Text at USPTO</u>), 2004-06-10 (<u>Class/Claims Vie</u> Drive circuit for a firing cap of a vehicle restraint system

Serial No:

723939

Series Code: 10

Filed:

2003-11-26

Abstract

A drive circuit for a firing cap, triggerable by an electric direct current firing pulse, of a vehicle restrain has a firing circuit which forms a series connection of a high side switch to the firing cap and to a low s switch. The firing circuit is connected between a supply voltage of a first potential, and a reference volt second potential, in parallel with a capacitor that stores energy. The firing circuit being activated by a disignal which is fed simultaneously to the high side switch and the low side switch, in order to feed a firit current to the firing cap during the firing pulse. In addition, in the firing circuit, a power switching elem also connected in series with the high side switch and the low side switch in order to draw lost power frighting circuit during the firing pulse.

U.S. Classification (main class in bold)

Class 280 LAND VEHICLES

29

WHEELED

727

Attachment

728.1

Inflatable passenger restraint or confinement or attachment

734

Responsive to vehicle condition

735

Electric control and/or sensor

means

International (IPC) Classification 和文IPC

和文IPC 中文IPC

SECTION PERFORMING OPERATIONS; TRANSPORTING

B 60 VEHICLES IN GENERAL

B 60 R VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT

OTHERWISE PROVIDED FOR

21/00 Arrangements or fittings on vehicles for protecting or

preventing injuries to occupants or pedestrians in case (

accidents or other traffic risks

21/02 Occupant safety arrangements or fittings

21/16 Inflatable occupant restraints or

confinements designed to inflat upon impact or impending imp

e.g. "air bags"

21/32

responsive to a veh condition which as impending collision including electrical sensors to initiate inflation

mmano

Assignee

Inventors

Correspondence

Hubert ROTHLEITNER

LERNER AND GREENBERG, PA

(Villach, AT)

(POBOX 2480, HOLLYWOOD, 33022-2480 FL US)

Foreign Priority

Number

102 55 115.4

Date

20021126

Authority

DE

Record 1 of 1 records matching query

Search Keywords in Class-Expanded U.S. Pregrant Abstracts

'drive circuit" "firing cap" "reference voltage"

Search

Sign in



News Froogle Local more » Images Groups

"drive circuit" restrain "reference voltage"

Advanced Search <u>Preferences</u>

Web

Results 1 - 10 of about 191 for "drive circuit" restrain "reference voltage". (2.57 seconds)

[PDF] LB1928 /

File Format: PDF/Adobe Acrobat - View as HTML integrated, thus allows drive circuit to be constructed with a ... When the restraint protection circuit has been activated, the condition can only be ... service.semic.sanyo.co.jp/semi/ds e/ENN6198A.pdf - Similar pages

Drive circuit device for inductive load - Patent 4845420

In a drive circuit device for an inductive load, the inductive load and a detecting ... The reference voltage generating circuit 30 includes a field-effect ... www.freepatentsonline.com/4845420.html - 54k - Cached - Similar pages

Patent 4458290: Circuit for controlling a DC electromagnetic brake

2, a Circuit 6' for restraining the counter electromotive force is connected in ... via a resistor 77, to a reference voltage side of the DC power source. ... www.freepatentsonline.com/4458290.html - Supplemental Result - Similar pages [More results from www.freepatentsonline.com]

Particular timing circuit - Patent Storm

During the first time interval, a second drive circuit generates a second voltage. ... A liquid crystal display device for restraining a generation of ... www.patentstorm.us/class/ 345/99-Particular timing circuit.html - 46k -Cached - Similar pages

Means for combining selective and sustain signals - Patent Storm

in the matrix display drive circuit with an energy recovery inductor (L1), ... first, A first pulse of A first voltage falls to A reference voltage is ... www.patentstorm.us/class/345/68-Means for_combining_selective_and_sustain_signals.html - 37k - Supplemental Result -Cached - Similar pages

[More results from www.patentstorm.us]

✓ US Pregrant 20040108698 - Drive circuit for a firing cap of a ...

Drive circuit for a firing cap of a vehicle restraint system ... and a reference voltage of a second potential, in parallel with a capacitor that stores ... cxp.paterra.com/uspregrant20040108698.html - 11k - Cached - Similar pages

Michigan CrainTech

... reducing the cost of the drive circuit since SCRs ... a tension level in the seat restraint system when ... voltage with an expected reference voltage that represents ... michigan.craintech.com/ cgi-bin/article.pl?articleId=3446 - 101k - Supplemental Result -Cached - Similar pages

Details and datasheet on part: LB1928

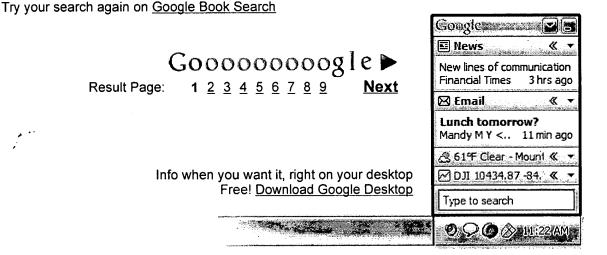
... thus allows drive circuit to be constructed with a single chip. ... gain Gain bandwidth product Reference voltage [Crystal oscillator] Operating ... www.digchip.com/datasheets/ parts/datasheet/413/LB1928.php - 16k -Cached - Similar pages

Electric power conversion systems patents 200509

20050207182 - Drive circuit for a synchronous rectifier, ... 20050201125 - Power circuit restraining rush current: A power circuit for an electronic machine ... www.freshpatents.com/ Electric-power-conversion-systems-dt200509ntc363.php - 27k -Cached - Similar pages

[PDF] <u>LB1927</u>

File Format: PDF/Adobe Acrobat - View as HTML ... is integrated, thus allows drive circuit to be ... limiter, overheat protection, motor restraint protection, etc ... Reference voltage Design target value -5% VREG/2 5 ... ftp.jetedata.cz/pub/ham/sheet/l/lb1927.pdf - Supplemental Result - Similar pages

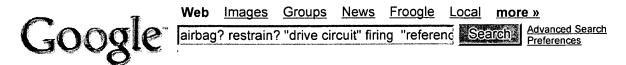


"drive circuit" restrain "reference volt Search

Search within results | Language Tools | Search Tips | Dissatisfied? Help us improve

Google Home - Advertising Programs - Business Solutions - About Google ©2006 Google

Sign in



Web Results 1 - 10 of about 30 for airbag? restrain? "drive circuit" firing "reference voltage". (0.43 second

Did you mean: airbag? restraint? "drive circuit" firing "reference voltage"

Michigan CrainTech

... thereby reducing the cost of the **drive circuit** since SCRs ... a tension level in the seat **restraint** system when ... comprising a housing for an inflatable **airbag** and a ... michigan.craintech.com/ cgi-bin/article.pl?articleId=3446 - 101k - Supplemental Result - Cached - Similar pages

美国专利申请公开说明书20040108698 - Drive circuit for a firing cap ... - [Translate this page]

Drive circuit for a **firing** cap of a vehicle **restraint** system ... 728.1, Inflatable passenger **restraint** or confinement (eg, **air bag**) or attachment ... cxp.paterra.com/uspregrant20040108698cn.html - 27k - <u>Cached</u> - <u>Similar pages</u>

5184350 Telephone communication system having an enhanced timing output current from an interface **drive circuit** 307/540 ... 112 5183979 Elevator governor rope **restraint** when elevator ... 5183615 Molding method of **air bag** cover 264 ... world.std.com/obi/Patents/Titles/930202 - 101k - Supplemental Result - Cached - Similar pages

5309569 Self-configuring bus termination component 395/325 5309568 reproducing device including novel **drive circuit** 360/67 ... for a supplemental inflatable **restraint** system 307 ... Hermetically sealed container for **air bag** inflator 422 ... world.std.com/obi/Patents/Titles/940503 - 101k - Supplemental Result - Cached - Similar pages

ABC analysis ABC indicator ABC powers ABC weapons ABS motor relay ... address display address drive circuit address editing address element address ... airbag inflator assembly airbag module airbag restraint system airbag ... dev.eurac.edu:8080/perl/data/example_terms/terms.en - 513k - Cached - Similar pages

Patentee Index

... Inc. **Air bag restraint** including selectively operable venting elements 06932385 ... Hendey, Arthur A. Large volume **fire** service water meter 06931946 Cl. ... www1.uspto.gov/web/patents/ patog/week34/OG/patentee/alphaH.htm - 172k - Cached - Similar pages

[PDF] Derwent

File Format: PDF/Adobe Acrobat
Seating detection sensor for **airbag** control system of motor vehicle, ... (307-309) with **reference voltage**. Zener diode limits the voltage across potential ...
scientific.thomson.com/ts/ media/dw/productpdfs/itppdfs/ijauelx.pdf - <u>Similar pages</u>

[PDF] Derwent

File Format: PDF/Adobe Acrobat

Fire-extinguishing fluid flow sensing apparatus for **fire** protection ... substrate voltage to a **reference voltage** and provides, when needed, activating ... scientific.thomson.com/ts/ media/dw/productpdfs/itppdfs/itposup.pdf - <u>Similar pages</u> [<u>More results from scientific.thomson.com</u>]

Foley And Lardner Suite 500 Patents

20050225058 - **Airbag** unit comprising a retaining element and supporting element for fixing ... 20050174307 - Current **drive circuit** and image display device ... www.freshpatents.com/ Foley-And-Lardner-Suite-500-cndirf.php - 330k - Cached - Similar pages

[PDF] Derwent

File Format: PDF/Adobe Acrobat - View as HTML

... Air bag restraint systems. ... Fire extinguishing systems. ... Starting controller for airbag in vehicle, has threshold value modifying unit that changes predetermined ... thomsonscientific.jp/products/ itp/pdf/auto/ijautri24.pdf - Supplemental Result - Similar pages

Did you mean to search for: airbag? restraint? "drive circuit" firing "reference voltage"

Try your search again on Google Book Search

Google Description of the Google Description

Result Page: 1 2 3

Free! Speed up the web. Download the Google Web Accelerator.

airbag? restrain? "drive circuit" firing Search

<u>Search within results</u> | <u>Language Tools</u> | <u>Search Tips</u> | <u>Dissatisfied? Help us improve</u>

<u>Google Home</u> - <u>Advertising Programs</u> - <u>Business Solutions</u> - <u>About Google</u>

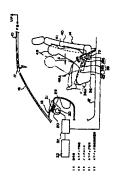
©2006 Google

2001-001775/01

TOYOTA JIDOSHA KK

JP-2000264117-A

Seating detection sensor for airbag control system of motor vehicle, installs inside passenger seat cushion to detect existence and movement of passenger respectively



Novelty: A sheet shaped detection sensor (38) is arranged inside a cushion (36) of seat (14) adjoining that of a driver. A rear portion sensor (38A,38B) detects the existence of the passenger and a front portion sensor (38C) detects the movement of the passenger.

Use: For airbag control system in motor vehicle.

Advantage: Since the sensor is not influenced by reactivity of passengers hand, the movement of the passenger is correctly detectable. Prevents movement to have any influence on the sensor.

Description of Drawing(s): The figure shows the schematic side view of the airbag control system.

Seat 14 Cushion 36 Detection sensor 38 Rear portion sensor 38A,38B Front portion sensor 38C

Company Code: TOYT

Publication Date: 2000.09.26

Drawing: 1/6 Pages: 10

Derwent Codes: S02-H; S03-C06; X22-J07; X22-X06D

IPC: B60N 5/00; B60R 21/32

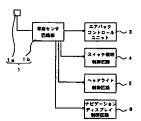
Derwent Classes: Q14; Q17; S02; S03; X22 Latest Priority: 1999.03.18 1999JP-073358

2001-001776/01

FUJIKURA LTD

JP-2000264122-A

Control device for e.g. lighting system, airbag of e.g. motor vehicle, has control circuits which respectively perform ON=OFF control of vehicle-mounted apparatuses in relation to sitting detection signal



Novelty: An airbag control unit (3), a switch illumination control circuit (4), a headlight control circuit (5), and a navigation display control circuit (6) respectively perform the ON-OFF control of an airbag, a switch illumination, a headlight, and a navigation display in relation to a sitting detection signal. Use: For e.g. airbag, lighting system of e.g. motor vehicle, train. Advantage: Suppresses unnecessary fuel consumption. Improves operability of vehicle-mounted apparatuses. Also reduces power consumption of system. Cost increase is prevented since seat sensor already utilized is used.

Detailed Description: A seat sensor (1) detects the existence of sitting of a person to a seat and outputs the sitting detection signal.

Description of Drawing(s): The figure shows the control device.

Seat sensor 1

Airbag control unit 3

Switch illumination control circuit 4

Headlight control circuit 5

Navigation display control circuit 6

Company Code: FUJD

Publication Date: 2000.09.26 Pages: 6

Drawing: 1/2 Derwent Codes: S03-C06; X22-B01; X22-B02X; X22-J01; X22-J02E;

X22-J07; X22-X06D; X23-A05; X23-A09

IPC: B60Q 1/04; B60H 1/00; B60J 1/17; B60Q 3/02; 3/04; B60R

1/06; 11/02; B60S 1/08

Derwent Classes: Q12; Q16; Q17; S03; X22; X23 Latest Priority: 1999.03.16 1999JP-070931